

531,399

Rec'd PCT/PTC 14 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

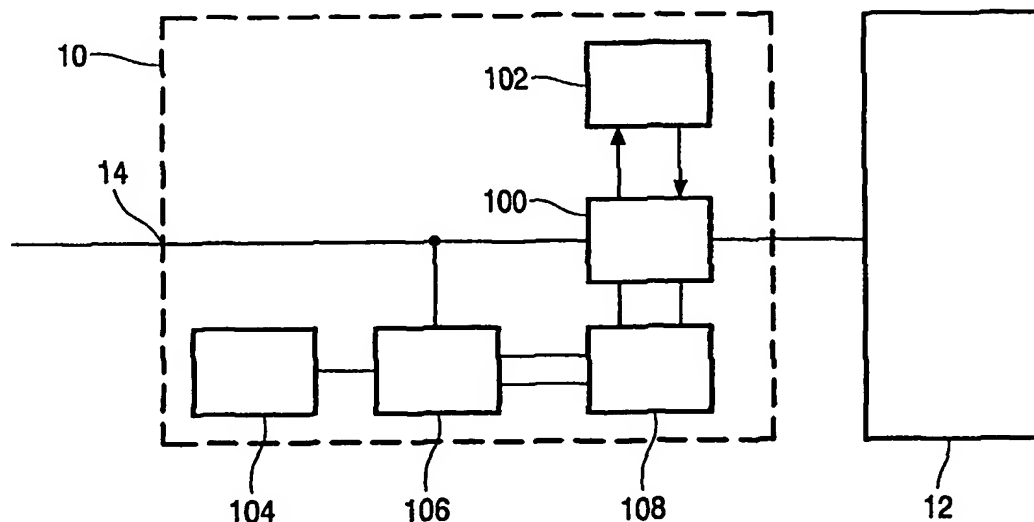
PCT

(10) International Publication Number  
**WO 2004/036820 A2**

- (51) International Patent Classification<sup>7</sup>: **H04L 7/00**
- (21) International Application Number:  
PCT/IB2003/004196
- (22) International Filing Date:  
19 September 2003 (19.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
02079338.6 18 October 2002 (18.10.2002) EP
- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KLOSTERS, Franciscus, J.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **HEUTS, Patrick, W., H.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **BEVERLOO, Joris, R.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **HEULE, Hendrik, B.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **DUIJVESTIJN, Adrianus, J.**; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,

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(54) Title: DATA PROCESSING APPARATUS THAT PROCESSES INCOMING BITS



(57) **Abstract:** A data processing apparatus receives a communication signal that contains temporally successive bits. A programmable processor circuit executes a plurality of series of programmed instructions for operations such as parity checking, each at a time of reception of a respective one of the bits. The processor circuit suspends operation each time after executing a respective one of the series of instructions. A synchronization circuit triggers execution of respective ones of the series, each time at the time of reception of the respective one of the bits, and, except for a last one of the series, prior to reception of one or more later bits that contribute to the data word.

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